

**METHOD AND SYSTEM FOR  
OPTIMALLY ALLOCATING ORTHOGONAL CODES**

ABSTRACT OF THE DISCLOSURE

5 A method for allocating orthogonal codes, whereby  
the product of a number of active users in the system and  
the average number of sectors servicing each user is  
determined, and sufficient orthogonal codes are allocated  
to service the product of **F** and the optimal number of  
active users in the system. At least one message is  
10 transmitted for reception by at least one mobile station,  
the message indicating the number of allocated orthogonal  
codes.

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